

MANPOWER COMMENTS

INDEX

Volume 25

1988

References are listed by Number and Page

No. 1 - January/February	No. 6 - July/August
No. 2 - March	No. 7 - September
No. 3 - April	No. 8 - October
No. 4 - May	No. 9 - November
No. 5 - June	No. 10 - December

A

Absenteeism in 1987 4,8

Academic

Administrators, Salaries of 3,14

Funding by the Pentagon 4,30

Research and Development 6,28

Research Facilities 9,29

Spending by Ph.D.-Granting Inst. 10,26

Salaries 5,15; 6,26; 7, 14

Accounting/Finance, Compensation in 5,16

ACT Scores by Sex & Ethnicity 8,24

Administrative Compensation Survey 3,14

Administrators, Higher Ed, Salaries 3,14

Admissions Policies for Asian Americans at Harvard and UCLA 10,23

Aerospace

& Construction, Women Employed in 7,22
Demand in 9,4

Affirmative Action, Strategies for 9,17

Age of Sci.& Eng. in 5 Countries, 9,9

Agricultural

Research Service Seeks Scientists 6,13
Scientists

Educating the Next Generation of 3,7

Job Market for New Ph.D.s in 6,8

Agriculture

Careers in 2,9

Schools Cannot Meet Demand in 7,5

Allied Health Fields, Demand in 8,3

America's Future Labor Force 3,9

American

Education Undermined by Weak Ass'ns 7,31

Freshman, The 1,34-35; 8,29

Indians in BOA Schools 5,23

American

Innovation, Commercial Challenge to 8,32

and Japanese Attitudes on Science 5,4

Math. Society Votes Against SDI 4,9

Potential: The Human Dimension 9,32

Soviet Agreements in Educ., Space 6,32

Student Interest in Science Declines 2,8

Student Science Scores vs Others 3,26

Amoco Foundation, Minority Grants 10,20

Analytical Chemists, Demand for 3,1

Anthropology Ph.D.s, Survey of 1,40

Artificial Intelligence, Demand in 5,7

Asian Americans

Admissions Policies for 10,23

Effect of Americanization 3,17

In Higher Education 3,16

Model Minority and Myth 8,19

Assessing College Learning 6,23

Associate Degree Grads, Salaries 3,14

Association Executive Salaries 5,16

Astronomy, Bachelor's Degrees in 6,29

Atlanta Univ. & Clark College Merge 6,20

B

Basic Research, Soviet Plans for 10,13

Behavioral/Social Sciences, Need for 3,8

Benefits, Company, cost of 5,34; 10,15

Biological Sciences

Demand in 5, 6

Hughes Institute Awards in 6,25

NSF Centers of Research in 6,31

Salaries of Faculty in 5,15

Biotechnology, Demand in 9,4; 10,1

Black

Collegian's Recruiting Survey 10,2

Faculty at White Inst. 8,18; 10,15

Tenure Rates of 8,18

Black

- Males In Higher Education 1,31
- In Atlanta, Study of 7,17
- Population Growth in Five States 5,23
- Student
 - Enrollment at HBCUs 7,31
 - Persistence at Oberlin 8,15

Braindrain

- at NIH, Can It Survive? 10,8
- of Qualified Scientists from India 6,12

- Britan, Salaries of Physicists In 7,16
- Business School Faculty, Demand 1,37

C

- California Schools, Minority Majority 7,19
- Campus Trends 7,29; 9,28-29

Canada

- Changes Policy on Foreign Students 1,34
- College Applications Surge in 8,26
- Demand for Professionals In 6,12
- Medical School Enrollments In 7,26
- Shortage of Computer S/Es In 10,7

Career

- Education for Engineers, 9,23
- Opportunities for Hispanics 2,14

Carnegie

- Commission on Sci/Tech/Gov't 7,32
- Panel Advice on Using Science 4,32
- Changing America: The New Face of S/E 6,1
- Characteristics of Recent S/E Grads 3,6,16; 5,1

Chemical

- Employment 1,1; 2,4; 3,1; 4,1; 5,1; 6,4; 7,1; 8,1; 9,1; 10,1
- Engineering Enrollments and Degrees 10,1
- Engineers
 - Job Market for 4,4; 10,1
 - Salaries of 1,26; 9,11
 - Starting 10,14

Chemistry

- Degrees Awarded In 6,26
- Olympiad, International 7,31

Chemists

- Analytical, Demand for 3,1
- Salaries of 1,26; 6,18-19; 7,15; 9,11
- Starting 10,14

Chinese

- Scientists In U.S. 8,27
- Students In America 10,9

- Chief Exec. Officers, Compensation of 4,13

- Civil Engineers, Job Market for 2,3; 4,4

Civil Rights

- In Education Expanded 2,21
- Litigation 1,29
- Restoration Act 3,22

- Civil Service Employment - 2000 8,31

- Clark College & Atlanta Univ. Merge 6,20
- Coalition for Nat'l. Science Funding 5,32
- College

- Applications Surge in Canada 8,26
- Board Report on College Statistics 5,26
- Campuses, Status of Women on 2,26; 10,18
- Costs

- Debate Over 2,26-27
- 1988-89 7,30

- Overestimated by H. Sch. Students 9,31

- Debts of Recent Graduates 1,39

- Degree, Earning Power of 7,18

- Education, More Americans Have 10,24

Graduates

- Future Job Market for 7,3
- of 1984, One Year Later 7,2
- Take Jobs from Non-Grads 2, 11

- Majors Needed by Top Employers 10,2

Placement Council

- Adds September Salary Report 9,9
- Demand for New Graduates 2,1; 4,3; 7,1
- Salary Survey 1,25; 2,15; 4,11; 7,12

- Recruiting Report, 1987 1,25

- Recruitment Database 4,9; 7,11

Students

- Tutors Disadvantaged Youth 2,25
- Who Work 9,30

and University

- Ranking 9,24
- Research Facilities 9,29

- Collegiate Bus. Schools, Accrediting 5,29

- Commercial Challenge to Innovation 8,32

Community Colleges

- Report on Education at 4,28
- Students With Disabilities at 8,21

- Competition for Human Resources In S/E 5,8

Competitiveness

- Economic 6,15; 9,16
- Role of Science & Technology In 1,14
- International 5,9; 7,27

Computer

- Engineers, Job Market for 3,3
- Ethics Not Being Taught 2,28
- Network-On-line, Fastest 7,32
- Networks In Education 4,27
- On-Line Instruction 4,31

Professionals

- Demand for In Wash DC Area 5,7; 9,4
- Shortage of In Canada 10,7

- Resume Service 8,6

Science

- Faculty at Small Colleges 1,38
- Number of Ph.D. Awards In 9,22
- Software Development, Scholarly 9,26

- Computing Sciences Accreditation Board 9,21

Co-Op Grads, Starting Salaries of 10,14
Corporations Support Public Schools 2,24
Cosmos Club Admits Women 6,22
Cost of Benefits 5,34; 10,15
Cost Per-Hire 8,14
Cultural Illiteracy 5,27

D

Data Processing Salaries 3,13; 8,11; 9,13
SEE ALSO COMPUTER SCIENCES

Database of Faculty Consultants 10,25
Defense Technology Base 4,10
Degree Projections to 1992 5,31

Degrees

Awarded In 1985-86 1,32; 5,32
In Chemical Engineering 10,1
In Chemistry 6,26
In Education 7,29
In Engineering 4,15,19; 6,27
Japan and U.S. Compared 7,27
by Sex, Ethnicity 2,20; 4,15
In Health Physics/Radiation Prot. 6,25
In Mathematics 1,33; 6,11
In Pharmacy 2,30; 6,29
In Physics 6,29; 8,28

Demand

In Aerospace 9,4
In Agriculture 2,9; 7,5
for New Ph.D.s 6,8
In the Allied Health Fields 8,3
for Analytical Chemists 3,1
In Artificial Intelligence 5,7
for Biologists 5,6
In Biotechnology 9,4; 10,3
for Chemical Professionals 8,1
for the Class of 1988-89 8,2
for College Graduates
In the Future 7,3
of 1984 7,2
for Computer Professionals, DC 5,7; 9,4
for Engineers 2,2-3; 3,2-4
Chemical 4,4; 10,1
Civil 2,3; 4,4
Computer 3,3; 4,4
Electrical 4,4; 8,3
Industrial 3,4; 4,5
Marine & Ocean 8,3
Petroleum 3,4
for Geoscientists 2,10; 3,6; 5,5
for Graduates Internationally 6,11-12
for Minority Sci./Engrg Grads 4,3; 9,3
for New Graduates 1,1; 2,1; 4,3; 7,1;
8,1; 10,2
for Nurses 7,11
for Part-Time Workers 6,13; 8,6
for Pharmacists 1,13

Demand

for Ph.D. Researchers 1,13
for Physics Graduates 2,8
for Temps In S/E Fields 1,10; 2,14; 6,13
Deutsch, Shea & Evans
Demand Index 1,1; 2,1; 3,1; 4,1; 5,1;
6,1; 7,1; 9,1; 10,1
Human Resources Manual 7,11
Diploma Mills: Degrees of Fraud 10,24
Disabilities, Comm. Coll. Students 8,21
Disappearing Scientists 1,9
Doctoral
Programs at U. of Rochester 7,31
Scientists/Engineers, Employment of 6,7
Doctorates
Awarded In 1987 7,24-25
In Computer Science 9,22
In Education 3,31
In the Mathematical Sciences 1,33; 6,11
In Natural Sciences & Engineering 7,18
In Science and Engineering
Earned by Minorities 4,17
In Leading Industrial Nations 7,27
Granted In 1986 2,18-19
Dollar Fall Offers Opportunity 5,10
Downsizing Continues 10,13
E
Earning Power of a College Degree 7,18
Earnings 5,16
by Education and Sex 9,16
Economic Competitiveness 6,15; 9,16
Educating the Next Generation
of Agricultural Scientists 3,7
of Scientists 3,30
Educationally Disadvantaged Children 2,25
Education
of American Scientists & Engineers 6,1-4
Challenge to International Trade 10,31
Degrees In 7,29
Doctorates, Profile of, 1976-1986 3,31
of Engineers 6,24-25
Enrollment Projections, Increase In 9,27
Programs, Federal 4,31
Report on Community/Junior Colleges 4,28
Research, Federal Funds for 6,14
Statistics Projected to 1997-98 10,22
and Unemployment, Effect of 9,5
Educational
Attainment of American Workers 8,15
Computer Networks 4,27
Electrical Engineers, Demand for 4,4; 8,3
Electronics Professionals, Survey of 2,12
Employees Leaving Organizations, Why 4,8
Employer Preference of Engrg. Grads 3,5
Employment In Aerospace

Employment

- In Agriculture 2,9
- In Allied Health Fields 8,3
- Analyzed In 1987 4,6
- In Biotechnology 9,4; 10,3
- Chemical 1,1; 2,4; 3,1; 4,1; 5,1; 6,4; 7,1; 8,1; 9,1; 10,1
- of Chemical Engineers 4,4; 10,1
- Civil Service 2000 8,31
- of Computer Professionals In DC 5,7; 9,4
- of Electrical Engineers 4,4; 8,3
- of Geoscientists 2,10; 3,6; 5,5
- of Mechanical Engineers 1,3
- of New Physics Graduates 2,8
- by Occupation 5,5
- Offers to New Grads 1,1; 2,1; 4,3; 7,1; 8,1; 10,2
- Opportunities In the Wash. DC Area 4,6
- of Part-Time Workers 6,13; 8,6
- Prospects for the Class of 1988-89 8,2
- of Recent S/E Grads In S/E Jobs 5,1; 9,4
- of Scientists and Engineers
 - In the Chemical Industry, 1979-87 6,4
 - In Energy R & D 1,2
 - In the Federal Government 1,4
 - In 1986 2,4
 - In Nuclear-Related Activities 7,5
 - In Trade & Regulated Industries 5,7
- of Technicians 5,4
- of Temps In S/E Fields 1,10; 2,14; 6,13
- Traits Desirable for Engineers 7,8
- of Women In Aerospace/Construction 7,22

Energy-Related S/E Personnel Outlook 1,2

Engineering

- Deans Examine Student Pipeline 4,22
- Degrees 4,10, 15, 19
 - In Japan and U.S. Compared 7,27
 - by Sex and Ethnicity 4,15
- Education
 - National Action Agenda for 4,22
 - Quality of 6,6
- Educators and Curriculum Reform 6,25
- Enrollment 4,20; 8,25
 - In Japan 10,7
 - by Sex and Ethnicity 4,22
- Faculty
 - Applicants Examined 2,30
 - Salaries of 9,13
 - Shortages 9,27
 - Survey of Flows In & Out 10,27
 - Women 10,17
- Graduate Students, Minority 3,17
- Graduate Students, Foreign 6,24
- Labor Markets, Quality Adjustments 6,6
- Lockheed Recruit Youth In 8,23

- Medal/Prize Inaugurated by NAE 9,32
- Minority Freshmen 7,21
- Personnel Data Needs for the 1990s 6,5
- Retention Rates of Freshmen 7,21
- Schools, Instrumentation at 1,39
- & Science - See Science and Engineering Students
- Employer Preference of 3,5
- Education In Liberal Arts 6,24
- Graduate 3,17; 6,24
- Guide to Humanities/S. Sciences 10,30
- Who's Who In 4,11
- Women In 2,20
 - & Minorities Studying 3,17; 6,20
 - at Stanford 3,21

Engineering Technology Faculty

- Shortage 9,27
- Survey of 10,27

Engineers

- Career-Long Education for 9,23
- Communication Skills of 5,27
- Employment Traits Desirable for 7,8
- Foreign & Foreign-Born In the U.S. 1,5
- Job Market for 2,2; 3,2-4; 4,3
- Salaries of 2,16-17; 9,12; 10,13
 - In Education 9,13
 - Starting 1,26
- & Scientists-See Scientists & Engineers
- Shortage of In Canada 10,7
- Strengthening Liberal Arts for 9,23

Enrollment

- of Blacks In College, 1988 5,20
- at Black Colleges In Science/Engrg 1,30
- In Chemical Engineering 10,1
- Crash of 1990 1,40
- In Engineering 4,20; 8,25
 - In Japan 10,7
 - by Sex & Ethnicity 4,22
- of Foreign Students 1,33; 9,24-25

Graduate

- Fall 1986 3,25,29
 - by Ethnicity 4,18
- Fall 1987, by Sex & Ethnicity 10,26
- & International Flow of Students 3,30
- In Oceanography 8,27
- In Science & Engineering 3,29
- In Health Physics/Radiation Prot. 6,25
- of High School Classes of 1980-1982 9,18
- at Historically Black Schools 7,31; 9,26
- Increase for Fall 1988 Projected 9,27
- In Medical Schools
 - In Canada 7,26
 - In U.S., 1987-88 7,26
- of Merit Scholars, 1987 2,29

Enrollment

- of Minorities In H. Educ. 3,24-26; 6,21
- of Minority Engineering Freshmen 7,21
- of Out-of-State Students 5,29
- In Pharmacy 7,28
- In Physics 8,28-29
- Projections to 1992 5,31
- Projections to 1997-98 10,22
- In Public Schools, Fall 1988 6,29
- In Women's Colleges 4,16

Equality of Women in 99 Countries 7,23

F

Faculty

- In Bus. School, Efforts to Increase 1,37
- In Computer Sci. at Small Colleges 1,38
- Database for Consulting 10,25
- In Engineering
 - Applicants Examined 2,30
 - Flows In & Out 10,27
 - Salaries 9,13
 - Survey of 10,27
 - Women 10,17
- In Geology, Salaries of 6,16
- Job Market for 6,9
- In Medical Schools, Salaries of 3,14
- Minority 3,22-24; 4,17; 5,20; 6,27
- In Physiology, Salaries of 4,14; 6,16
- In Psychology, Salaries of 4,14; 5,15
- Removal of Mandatory Retirement for 8,30
- Retirement, Study of 6,26
- Salaries, 1987-88 5,15
- In Science & Engineering 6,15-16; 9,13
- and Humanities, Gap Between 10,29
- Shortages 9,27-28

Federal

- Academic Support In Science/Engrg 1,36
- Aid and Immigrant Students 6,23
- Education Programs 4,31
- Education Research, Funding for 6,14
- Employment In 2000 8,31
- Job Applicants, Quality of 5,7
- Labs
 - Consortia with Minority Colleges 6,21
 - Foreign Participation In R & D at 8,8
- Personnel Regs & Scarce Employees 4,7
- R & D Spending, 1988 1,12
- Salaries 1,7,27; 3,13; 6,20; 7,14; 8,12
- Scientists and Engineers 1,4
- Women Employees, Harassment of 6,22
- Fellowships & Scholarships 4,29
 - for Minorities 7,23; 8,17
 - for Women In the Physical Sciences 9,18
- Financial Aid
 - Student 1,39; 4,30; 8,26-27
 - for Undergraduates, Analysis of 5,29

- Financial Aid to Women & Men Compared 2,21
- Financial & Data Processing, Salaries In 3,13; 9,13
- Flexitime 7,9

Foreign

- Firms/People Get More U.S. Patents 3,12
- & Foreign-Born Engineers In the U.S. 1,5
- Grad Students In US Engin. Schools 6,24
- Participation In R&D at Federal Labs 8,8
- Scholarships Taxed by IRS 10,30
- Sponsorship of U.S. Univ. Research 4,27
- Students In Canada, Door Closing on 1,34
- Freshmen, The American 1,34-35; 8,29
- Freshmen at UC-Berkeley 5,25

G

GEM

- Applications for 1989 Fellowships 7,22
- Fellows In 1988 4,16
- Sponsors 100 Minority Grad Students 3,17
- Geoscience Empl/Hiring 1988 3,6; 5,5; 5,17
- Geoscientists
 - Employment Prospects for 2,10; 3,6; 5,5
 - Faculty, Salaries of 6,16
- Girls at International S/E Fair 6,28
- Government Clearinghouse on Testing 1,38

Graduate

- Departments of Psychology, 1986-87 1,10
- Education Pipeline, Minorities In 3,18

Enrollment

- Fall 1986 3,29
 - by Race 4,18
- Fall 1987, by Sex & Race 10,26
- & International Flow of Students 3,30
- In Oceanography 8,27
- One Year After Bachelor's 6,28
- & Support, Fall 1986 3,21,29
- Management Admissions Test 7,31
- Minority Students, Ways to Attract 6,27
- Stipends In 1984-85, IRS Won't Tax 4,13
- Students
 - In Physics 10,27
 - In Science/Engineering, Few U.S. 2,31
 - Women 3,21

Graying of the Workforce 8,6

H

- Harvard Admissions, Asian Am. 10,23
- Hay/Huggins Benefits Report 5,18

Health

- Care Personnel, 1986 & Projected 4,6
- Physics, Enrollments & Degrees In 6,25
- Professions, Starting Salaries In 6,25
- Help-Wanted Advertising Index 6,1
- High School
 - & Beyond: 1980 Soph 6 Years Later 8,30

High School

- Classes of 1980 and 1982
 - Enrollments In Postsec. Inst. 9,18
 - Views on Job-Related Goals 9,19
- Graduates, 1986-2004 4,24-25
- Physics/Physics Teachers Survey 10,28
- Students Overestimate College Costs 9,31

High Technology

- Careers In 9,4
- Centers in State Univ., Research In 1,8
- Jobs Pay Well 9,4
- Recruitment Index 1,1; 2,1; 3,1; 4,1; 5,1; 6,1; 7,1; 9,1; 10,1

Higher Education

- Administrative costs 2,27
- Black Males In 1,31
 - In Atlanta, Study of 8,17
- Enrollment of Minorities In 3,24-26
- Issues Affecting Asian Americans In 3,16

Hispanics

- Calif.'s Fastest Growing Minority 5,26
- Career Opportunities for 2,14
- Faculty Urges UC to Seek More 6,32
- Higher Education's Missing People 5,21
 - In the Workforce 8,18

Historically Black Colleges

- Enrollment at 7,31; 9,26
 - Sci./Engineering Grad Students at 1,30
- Hughes Medical Institute Grants 6,25; 8,26
- Human Capital: The Decline In US 9,10
- Human Resource Mgmt, Compensation In 8,14

Human Resources

- Manual of DS&E 7,11
- Officer, Salaries of 7,17; 8,14

I

Immigrant

- Scientists & Engineers 9,7
 - Teaching Corporate English to 7,23
- Students
 - Federal Aid and US Citizenship 6,23
 - In U.S. Public Schools 4,23

Immigration

- Bill, Amendments to 3,10
- India, Braindrain from 6,12

Industrial

- Biotechnology R & D 4,5
 - Engineers, Job Market for 3,4; 4,5
- Instrumentation & Engineering Schools 1,39
- Internal Revenue Service
 - Taxes Foreign Stud. Scholarships 10, 30
 - Won't Tax 1984-85 Graduate Stipends 4,13

International

- Chemistry Olympiad 7,31
- Collaboration Among Scientists 5,32
- Comparisons of Teachers Salaries 7,16

International

- Competitiveness 1,14; 5,9; 6,15; 7,27; 9,16
 - Demand for Graduates Increases 6,11-12
- S/E International Fair, Girls In 6,26
- Science & Technology 2,6
- Science Test Results of Americans 8,25
- Trade & Education 10,31
- Intervention Programs in Math & Science for Women & Minorities 8,21

J

Japan

- Engineering Enrollments In 10,7
 - & NSF Initiative for Exchange 7,10
- S/Es In R&D In US and 10,6
 - Engineering Graduates Compared 7,27
 - Science & Technology Resources 10,6

Japanese & American Attitudes 5,4

Job Fairs, Regional 10,5

Job Market

- In Aerospace 9,4
- In the Agricultural Sciences 6,8; 7,5
- In the Allied Health Field 8,3
- In Biotechnology 9,4; 10,3
- Changing 4,1
 - for Chemical Engineers 4,4; 10,1
 - for Chemical Professionals 9,1
 - for Civil Engineers 2,3; 4,4
 - for the Class of 1988-89 8,2
 - for College Graduates
 - Future 7,3
 - of 1984 7,2
 - for Computer Engineers 3,3
 - Professionals in Wash. DC 5,7; 9,4
 - for Electrical Engineers 4,4; 8,3
 - for Engineers 2,2-3; 3,2-4
 - for Faculty 6,9
 - for Industrial Engineers 3,4; 4,5
 - for Marine & Ocean Engineers 8,3
 - for Mechanical Engineers 4,4
 - for Minority Science/Engrg Grads 4,3
 - for New Graduates 1,1; 2,1; 4,3; 7,1; 8,1; 10,2
 - In Optical Engineering 2,3
 - for Part-Time Workers 6,13; 8,6
 - for Petroleum Engineers 3,4
 - for Temps in S/E 1,10; 2,14; 6,13
 - In Toxic Waste Cleanup 4,5
- Job Mobility, Effect on Pensions 8,12
- JobNet, Computer-Based Service 8,6
- Job Opportunity Barometer for Engrg. 3,2
- Jobs
 - vs Grad School In Liberal Arts 6,10
 - In Science by Year 2000 6,4

- Jobs, Where Are They & How to Get Them 3,4
- Joint Economic Committee 1988 Report 5,4
- L
- Labor
 - Costs In 1988 2,17
 - Force
 - America's Future 3,9
 - Participation Rate of Women In 9,16
 - Shortage
 - of New Entrants 6,11; 8,9
 - Market
 - Getting Tighter 10,5
 - In New York/New Jersey Changing 9,4
- Law
 - School Applications Up 2,28
 - Women Face Discrimination In 7,20
- Life Sciences, Research Fraud In 10,21
- Liberal Arts
 - and Corporate America 6,10
 - for Engineers, Strengthening of 9,23
 - Grads Choose Jobs Over Grad School 6,10
- Lockheed Engineers Recruit Youth 8,23
- M
- Management, Salaries In 8,11
- Marine/Ocean Engineers, Job Market for 8,3
- Marriage & Career, PhD Physics Women 9,15
- Mathematics
 - Achievement by Asian Americans 4,25
 - Doctorates 1,33; 6,11
 - Engineering Science Achievement (MESA),
 - Annual Report of 5,23
 - Report Card 6,23
 - and Science
 - Education 2,29; 3,27
 - Grades 4-8 Critical for Women In 3,21
 - Precollege Teaching 9,20; 10,32
- MBA Graduates
 - Choosing Industry Jobs 4,2
 - Starting Salaries for 2,17; 4,12
- MBA Students, Minority 7,23
- Mechanical Engineers 1,3; 4,4
- Medical
 - Researchers, Program to Increase 10,21
 - School
 - Applicants to 6,23; 7,26
 - Faculty, Salaries for 3,14
 - Research Fraud May Start In 10,21
 - Teaching of Patient Treatment 10,22
- Megasience Projects, Priorities for 4,32
- Men More Satisfied with Pay 8,18
- Merit Scholars, Enrollment of, 1987 2,29
- Mexican American Students Sue Texas 1,32
- Michigan State University
 - Annual Report on Placement 8,1
 - From College to Career 8,1
- Michigan State Univ. Salary Survey 1,25
- Military
 - Draft, Impact of Returning to 3,12
 - Manpower Problems 7,12
 - Pay Raise 2,17; 7,14
 - Restricts Women's Occupations 9,17
- Minorities
 - In Engineering
 - Degrees Granted to 4,15
 - Enrollment of 4,22; 7,21
 - In the Graduate Education Pipeline 3,18
 - SAT & ACT Scores of 8,23-24
 - Scholarships/Fellowships for 7,23; 8,17
 - In Geology 7,23
 - at UC-Berkeley 10,19
 - & Women
 - In Science & Engineering 2,22
 - Utilization of 6,21
 - Studying Engineering 6,20
- Minority
 - Colleges & Federal Labs Cooperate 6,21
 - Conference on Recruiting/Retaining 4,18
 - Engineering
 - Graduate Students, Support for 3, 17
 - & Science Grads, Demand for 4,3; 9,3
 - & Science Ph.D.s 2,19; 4,17
 - Faculty Shortage of 3,22; 4,17; 5,20; 6,27; 10,19
 - Graduate Students 6,27
 - MBA Students 7,23
 - Majority In California Schools 7,19
 - Participation In Education 5,19
 - Science, Grants to Increase 10,20
 - Recruitment 5,25
 - Representation In ADAMHA 5,25
 - Teachers, Efforts to Increase 1,31
- Mother's Labor Force Participation 8,20
- N
- NASA Recruits More Women 10,17
- National
 - Academy of Engineering
 - Announces Major Engineering Prize 9,32
 - Career-Long Education 9,23
 - Academy of Sciences
 - Fellowship Program for Minorities 8,17
 - Quality of Eng Labor Markets 6,6
 - Engineer Data Needs In the 1990s 6,5
 - Women Admitted to 6,22
 - Action Agenda for Engineering Educ. 4,22
 - Assessment of Ed Progress In Sci 8,21
 - Center for Education & the Economy 1,38
 - Employer Preferences, Eng Students 3,5
 - Engineers Week 1,14
 - Institutes of Health, Braindrain at 10,8
 - Patterns of Sci. & Tech. Resources 8,9

National

Science Board
 Geographic Information Center 9,32
 Membership of 9,32
 Science Foundation
 Authority Extended for Five Years 9,31
 Budget Cut in FY 1988 1,12
 Computer Network 4,27
 College Research Facilities Needs 9,29
 Congressional Appropriation for 7,32
 Graduate Fellowships 4,29
 & Japan Initiative for Exchanges 7,10
 Promotes Collaboration Between
 Mathematicians & Biologists 10,32
 Science and Technology Week 1,14; 9,20
 Semiconductor Mfg. Research Center 1,12
 New York/New Jersey Labor Market 9,8
 Non-College Youth
 Face Employment Difficulties 2,11
 The Forgotten Half of America 10,4
 Non-profit Organizations, Salaries in 8,10
 Northwestern University
 Reports on Minority Recruitment 5,25
 Starting Salary Survey 1,25
 Nuclear Related Employment of S/Es 7,5
 Nurses
 Supply & Demand for 7,11
 Unemployment Rate of In 1987 5,11
 Nursing Education, Funding for 9,27
O
 Oberlin College, Black Students at 8,15
 Occupational Outlook Handbook, 88-89 5,11
 Occupational Tenure 10,9
 Ocean Scientists/Engineers, Survey of 6,10
 Oceanography, Graduate Enrollment in 8,27
 One-Third of a Nation 5,19
 Open Doors 1,34; 3,30; 9,24
 Opportunity 2000 9,17
 Optical Engineering, Job Market in 2,3
 Outplacement Practices 2,14
P
 Parental Leave Legislation 2,22
 Part-Time Workers
 Job Market for 6,13; 8,6
 Women Professionals 8,16
 Patents to Foreign Firms & Inventors 3,12
 Pay Raise for the Military 2,17
 Peer Harassment of Women on Campus 9,18
 Pensions, Effect of Job Mobility on 8,12
 Performance and Judgment 9,20
 Petroleum Engineers, Job Market for 3,4
 Pharmacy
 Degrees Awarded In 2,30; 6,29
 Enrollments In 7,28
 Manpower Shortage Ahead 1,13

Pharmacy Profession Changing 9,9

Ph.D. Researchers, Demand for 1,13
 PhDs

In Agricultural Sciences, Demand for 6,7
 In Anthropology, Survey of 1,40
 In Computer Science, 1986-87 9,22
 Granted In 1987 7,24-25
 In Mathematics 1,33; 6,11
 In Natural Sciences & Engineering 7,18
 In Science and Engineering
 Awarded In 1986, by Sex & Race 2,18-19
 Employment of 6,7
 Granted to Minorities 4,17
 In Leading Industrial Nations 7,27

Physical Sciences, Women Fellowships 9,18
 Physicians

Compensation of 9,14
 Shortage of by 2000 6,7

Physicists

Doctoral

Salaries of 9,14
 Women, Career and Marital Status 9,15
 In the United Kingdom, Salaries of 7,16

Physics

Bachelor's

Degrees 6,29
 Graduates, Salaries of 2,16
 Degrees and Enrollments 8,28
 Graduate Students 10,27
 Graduates, Employment of 2,8
 and Physics Teachers in High School,
 Survey of 10,28

Physiology, Faculty Salaries in 4,14; 6,16

Pre-Employment Testing 7,11

Presidential Awards for Science & Math

Teaching 10,32

Productivity, Age & Labor Composition 9,6

Professional Ethics Report 2,15

Projections 2,10; 10,22-23;

When They Miss Their Mark 7,29

Psychology

Faculty Salaries 4,14; 5,15
 Salaries for New Ph.Ds in 1,14
 Graduate Depts. of 1,10

Public Schools

Corporate Support to 2,24
 Enrollment In Fall 1988 6,29
 Enrollments, Graduates & Staff 1988 9,19
 Salaries of Teachers in 8,12

R

Racial Diversity in Higher Ed 10,15

Radiation Prot. Enrollments/Degrees 6,25

Ranking of U.S. Colleges/Universities 9,24

Recruiting, College, New Trends in 1,1;
 8,6; 10,5

Recruitment

- Directory 8,9
- Market In 1988 2,2
- of Minorities 5,23

Relocation

- Costs 1,29

- Reasons Given for Turning Down 7,10

Research

- Contracts at DoD Stopped 6,32
- and Development

Academic 6,28

- Company, Growth In 6,15

Federal

- Budgets for 1,12; 2,13
- Funds for 5,4-5,12; 6,4,14
- Action on 2,15

Foreigners at Federal Labs 8,8

Funding 4,30; 10,11

Industrial Spending for 10,12

In Industrial Biotechnology 4,5

International Comparisons of 4,9

Management, Women In 6,20

Real Growth In for 1988 3,10

Scientists and Engineers Employed In

- 2,6; 4,10; 7,7

In Japan 10,6

Salaries of 5,13

Shortage of Ph.D.s In 1,13

Spending

- by Ph.D. Granting Universities 10,26

- In the U.S. 1,11; 2,13; 7,6; 8,8

Trends Survey Conducted by IRI 1,11

Facilities at Colleges/Universities 9,29

Fraud

In the Life Sciences 10,21

In Science, Guidelines for 9,23

Scientists, 10,12

In State Univ. High Tech Centers 1, 8

Researchers, High Cost of Recruiting 9,8

Retention Rates of Engrg Freshmen 7,21

Retiree Job Bank Fills Temp. Needs 6,13

Rochester, U. of, Doctoral Programs 7,31

ROTC Air Force Closes on 30 Campuses 2,26

5

Salaries

of Academic Administrators 3,14

In Accounting/Financial Fields 5,16

for Associate Degree Graduates 3,14

of Association Executives 5,16

of Chemical Engineers 1,26; 9,11

Starting 10,14

of Chemists 1,26; 6,18-19; 7,15; 9,11

Starting 10,14

of Co-Op Graduates, Starting 10,14

In Data Processing 8,11

Salaries

of Engineers 2,16; 9,12; 10,13

with Bachelor's Degrees 1,26; 4,12

of Faculty

In the Biological Sciences 5,15

In Engineering 9,13

In Geology 6,16

In Medical School 3,14

In 1985-86 by Sex 6,16

In 1987-88 5,15

by Discipline 6,17; 7,14

In Science & Engineering 6,15

Federal 1,27; 3,13; 6,20; 7,14; 8,12

of Geoscientists 5,17

In the Health Professions, 4,12; 6,25

of Human Resource Officers 7,17

In Management 8,11,14

for MBA Graduates, Starting 2,17; 4,12

of New Grads 1,25; 2,15; 4,11; 7,12; 8,9

In Nonprofit Organizations 8,10

of Physicians 9,14

of Physicists 2,16; 9,14

In the United Kingdom 7,16

Private and Federal Compared 3,13

for Prof. Admin., Tech In '88 4,14

of Public School Teachers 8,12

for Recent Sci/Engrg Grads 3,16; 5,18

for Scientists & Engineers In R & D 5,13

for Space Age Specialists 1,27

Starting

Related to Season of Graduation 7,13

In 1988 4,12

of Teachers, International 7,16

of Two-Year Grads In Engineering 2,16

of White-Collar Workers

In Private Non-Service Industries 7,17

In Service Industries 1,27

of Women 2,18

Salary

Gap for Canadian Women 1,29

Increases 1,28; 7,18

Losses for Women Who Have Children 3,20

Minimum Lowered by Women Workers 6,18

Outlook, Tech Professionals In DC 5,18

Survey by WORKING WOMAN 1,28

SAT Scores by Sex & Ethnicity 8,23

Scholarships and Fellowships 4,29

School Enrollment - Social & Economic

Characteristics of Students 5,20

Science

Achievement, Intnat'l Comparisons 3,26

Advice for the President 3,32

Amoco Grants to Minorities 10,20

Battle Between "Big" & "Little" 5,12

at the College Level, How to Teach 9,21

Science

- Consortia of HBCU & Federal Labs 6,21
- and Engineering
 - Competition for Human Resources in 5,8
 - Demand for Temps in 1,10; 2,14
 - Education 3,30; 6,1-4
 - Employment in Energy R & D 1,2
 - Enrollments at Black Colleges 1,30
 - Faculty, Salaries of 6,15-16
 - Federal Academic Support in 1,36
 - Graduate Students
 - Fall 1986 3,29; 4,18
 - Fall 1987 by Sex & Race 10,26
 - Lack of U.S. 2,31
 - Women 3,21
 - Graduates, Recent,
 - Characteristics of 3,6; 5,1
 - Salaries of 3,16; 5,18
 - and Humanities Faculty 10,29
 - Indicators - 1987 5,3,24
 - Minority Graduates, Demand for 4,3
 - Ph.D.s, 1986 2,18-19; 4,17
 - Resources of Japan & U.S. 10,6
 - Women & Minorities in 2,22; 6,21
 - Underrepresentation of 10,16
- Financing "Big" and "Little" 3,11
- Jobs to Increase by 2000 6,4
- and Math Education
 - Equity & Excellence in 2,29; 3,27
 - Grades 4-8 Critical for Women 3,21
 - Precollege Teachers 9,20
 - Presidential Awards for 10,32
 - & Policy Outlook 1988 7,8
- Program to Increase Students in 9,29
- Report Card, NAEP Assessment 8,21
- and Technology
 - America's Ignorance of 5,27
 - Databook, 1988 2,32
 - In Economic Competitiveness 1,14
 - International 2,6
 - Japanese/American Attitudes Toward 5,4
 - Longman Guide to World 4,11
 - Resources, National Patterns of 8,9
 - Under Bush Administration 10,31
- Scientific Research Fraud, Handling 9,23
- Scientist of the Year Award 8,6
- Scientists
 - Agricultural Research Service Seeks 6,13
 - Braindrain from India Down 6,12
 - and Engineers
 - Age Distribution in Five Countries 9,9
 - Doctoral Employment of 1975-1985 6,7
 - Employed in
 - the Federal Government 1,4
 - Industry 5,2

Scientists

- and Engineers
 - Employed in
 - Nuclear-Related Activities 7,5
 - R & D 2,6; 4,10
 - Trade & Regulated Industries 5,7
 - In U.S. Chemical Ind., 1979-87 6,4
 - Immigrant 9,7
 - Educating American 2,4; 5,24; 6,1-4
 - Ocean 6,10
 - International Collaboration Among 5,32
 - Investigate Government Job Openings 10,3
 - In Research - Views of 10,12
 - Will American Run Out? 1,9
- Sematech 6,31
- Sex
 - Differences in Science 3,21
 - Segregation in the U.S. Workforce 3,19
- Sexes Technical Career Patterns of 7,24
- Space-Age Specialists, Salaries of 1,27
- Social & Behavioral Sciences, Need for 3,8
- Southern States Lack Diversity 10,15
- Soviet
 - American Agreements 6,32
 - Plans for Funding Basic Research 10,13
 - & U.S. Academies, Exchanges 2,32
- Spouse Relocation Network 10,32
- Standardized Test Scores, Use of 10,20
- State
 - Assesses What Col. Students Learn 7,30
 - Responses Since "A Nation at Risk" 4,26
- Student
 - Debts 1,39
 - Financial Aid 1,39; 4,30; 6,26
 - Interest in Science 2,8; 9,29
 - Loan Defaults 2,31
 - Persistence at Oberlin, Black 8,15
 - Pipeline Study, Engineering Deans
 - Council Response to 4,22
 - Teachers & Multicultural Students 4,23
- Students
 - Preparation of, SREB Report on 6,31
 - Stay in Home States for College 6,30
 - Who Work Off Campus 9,30
- Supercollider, Proposed Sites 1,38; 3,32
- Supreme Court Rules Statistical Evidence of Discrimination O.K. 6,22
- T
 - Tax Correction Bill Affects Educ. 10,30
- Teachers
 - Education of SREB Report on 6,31
 - High School Physics, Survey of 10,28
 - International Salaries of 7,16
- Minority
 - Efforts to Increase Number of 1,31

Teachers

Minority

- Shortage of 3,22-24; 10,15
- In the Public Schools 4,24
- Salaries of 8,12
- Survey of by Carnegie Foundation 5,30

Teaching

- Corporate English to Immigrant S/Es 7,25
- & Learning: New Tools for 9,21
- Precollege, Science & Math 9,20

Technical Misinformation Liability 1,39

Technicians

- Demand in Trade & Regulated Ind. 5,7
- Employed in Industry 5,4

Technological Dimensions of International Competitiveness 5,9

Technology in the Workplace 10,5

Tenure

- of Black Faculty at White Inst. 8,18
- Track Positions, Displacement of 9,26

Test Scores

- of Am. Students Internationally 8,25
- Standardized, Use of 10,20

Testing, Government Clearinghouse on 1,38

Texas Sued by Mexican-Am. Students 1,32

Toxic Waste Cleanup Jobs in 4,5

U

UCLA Admissions, Asian Americans 10,23

Undergraduates, Financial Aid for 5,29

Unemployment

- Analyzed in 1987 4,6
- Less if More Education 9,5
- Rates for Selected Yrs./Occupations 5,11

U.S.

- ¶ Soviets Expand Science Exchanges 2,32
- Workforce, Sex Segregation in 3,19

University

- and College Research Facilities 9,29
- Research, Foreign Sponsorship of 4,27
- Sources of Research Prize Winners 3,12

Utilization of Older Workers in Prof.

- Administrative Jobs 8,6

W

Washington DC Area, Job Outlook in 4,6

White-Collar

- Employees, Salaries of 1,28; 7,17
- Pay in Service Industries 1,27

White House Science Office Structure 3,32

Who's Who in Engineering 4,11

Women's Colleges, Enrollment in 4,16

Women

- Admitted to Cosmos Club & NAS 6,22
- In Aerospace & Construction 7,22
- In Canada, Salary Gap of 1,29
- on College Campuses, Status of 2,26

Women

College Presidents 3,24

of Council of Graduate Schools 9,18

Degrees Granted in Engineering to 4,15

Doctoral Physicists, Career & Marital Status of 9,15

Employed in 50 Largest Metro Areas 7,20

In Engineering 2,20; 4,22

at Stanford 3,21

Equality of in 99 Countries Studied 7,23

Face Discrimination in Law 7,20

Faculty

In Engineering 10,17

at Stanford 1,29

Federal, Harassment of 6,22

Fellowships for in the Phys. Sci. 9,18

Financial Aid Less Than for Men 2,21

Getting More Scholarships in NY 4,29

Graduate Students in Science/Engrg 3,21

Harassed by Peers on Campus 9,18

Increasing Share of Older Workers 9,15

In the Labor Force 4,16

Less Satisfied with Pay than Men 8,18

In Math & Science 3,21

In the Military, Job Restrictions 9,16

& Minorities in S/E in 1986 2,22

Underrepresentation of 10,16

Utilization of 6,21

Participation of in Workforce 8,20

Professionals Working Part-Time 8,16

Proportion of Employed

Professionals 5,24

Scientists & Engineers 5,24

In R & D Management 6,20

to be Recruited by NASA 10,17

Salaries of 2,18

SAT & ACT Scores of 8,23-24

Veterans, Helping to Find Jobs for 9,17

Who Have Children Lose Salary 3,20

Workers Lower Salary Minimum 6,18

Work Experience Survey 9,6

Workers

Educational Attainment of 8,14

In Today's Labor Force 1,8

for the 21st Century 1,6

Workforce

Decline of America's 9,10

2000 1,6

Working Hours Changing 7,9

WORKING WOMAN Salary Survey 1,28

